

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\  
 Data File : BE096911.D  
 Acq On : 13 Jul 2018 17:52  
 Operator : SJ/JU  
 Sample : J3170-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE125D2-071118

Manual Integrations  
 APPROVED

Sohil  
 7/16/2018 3:26:38 PM

Quant Time: Jul 13 18:52:30 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 13 17:02:57 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 1964     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.16 | 136  | 9427     | 0.40  | ng    | 0.01        |
| 13) Acenaphthene-d10           | 14.02 | 164  | 5195     | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 16.77 | 188  | 14552    | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 20.98 | 240  | 15062    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.21 | 264  | 14428    | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.05  | 112  | 1180     | 0.27  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.59  | 99   | 1003     | 0.15  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 3655     | 0.64  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 11.73 | 152  | 7711     | 0.57  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.52 | 330  | 880      | 0.65  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 12.64 | 172  | 11901    | 0.63  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 18.81 | 212  | 79395    | 0.62  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.43 | 244  | 22578    | 0.78  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.09  | 88   | 20832    | 7.078 | ng    | Qvalue # 89 |
| 9) Naphthalene                 | 10.20 | 128  | 6132m    | 0.072 | ng    |             |
| 12) 2-Methylnaphthalene        | 11.81 | 142  | 537      | 0.038 | ng    | # 93        |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149  | 6594     | 0.221 | ng    | 98          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

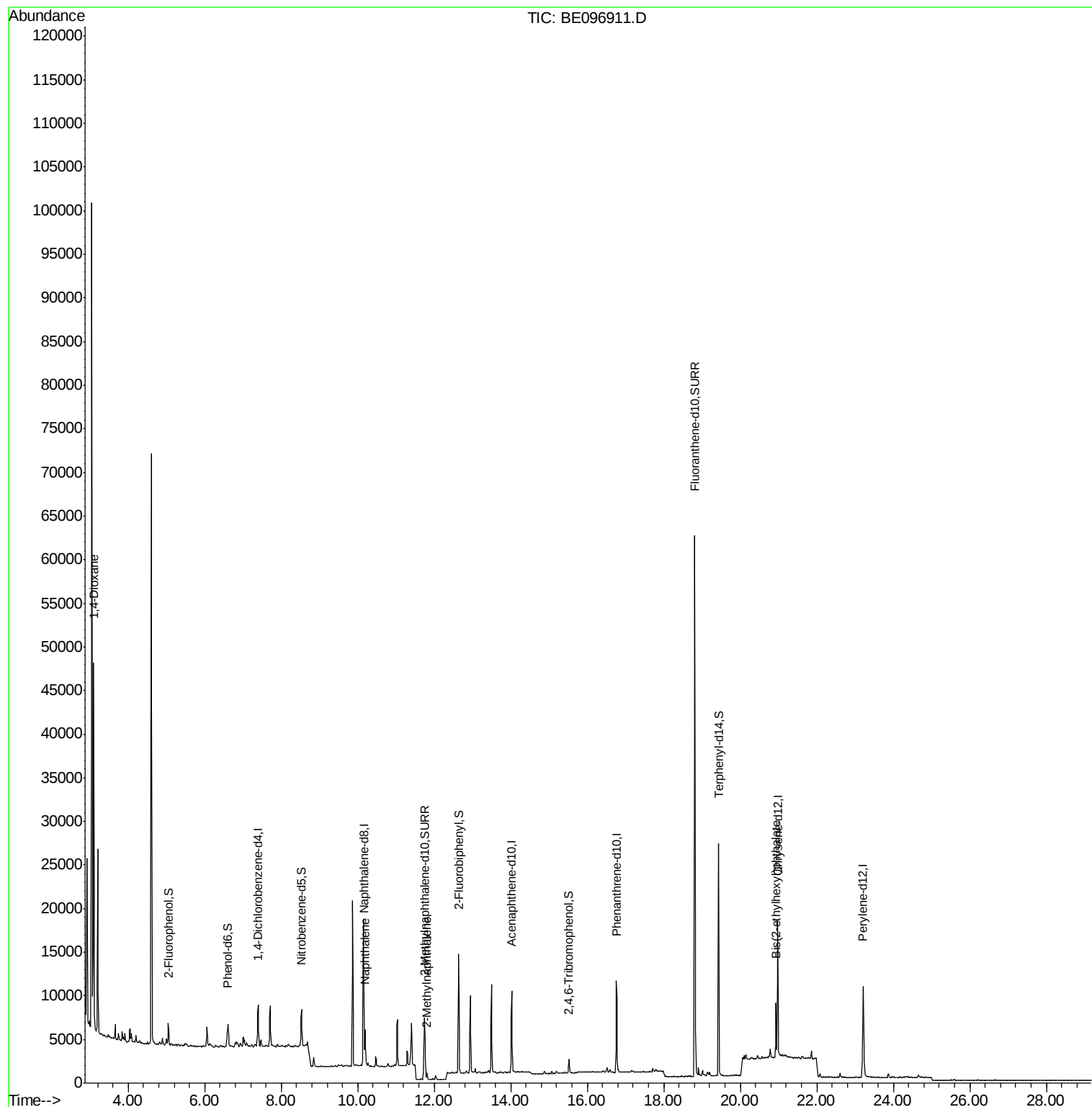
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\  
Data File : BE096911.D  
Acq On : 13 Jul 2018 17:52  
Operator : SJ/JU  
Sample : J3170-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
RE125D2-071118

Manual Integrations  
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Quant Time: Jul 13 18:52:30 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 13 17:02:57 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA\_E

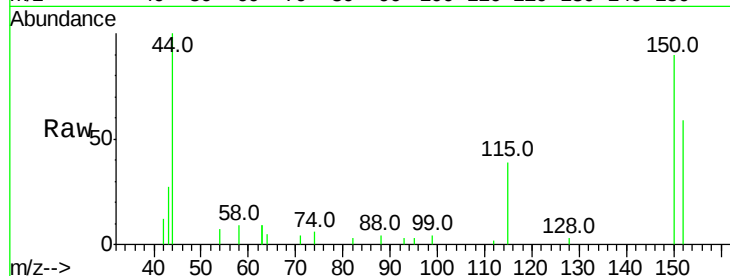
ClientSampleId :

RE125D2-071118

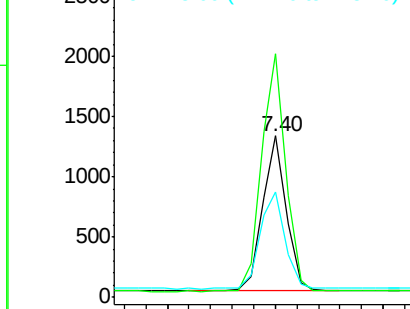
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 1964  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 150.9 | 117.2 | 175.8 |
| 115      | 64.9  | 57.0  | 85.6  |

Manual Integrations  
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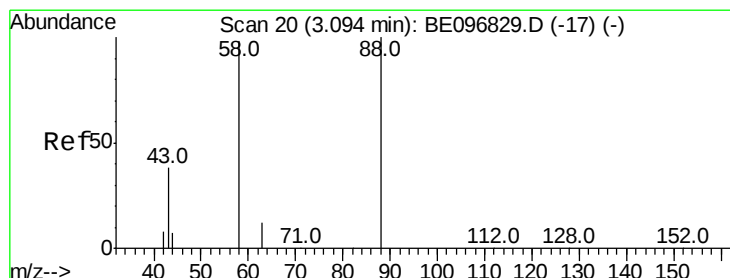
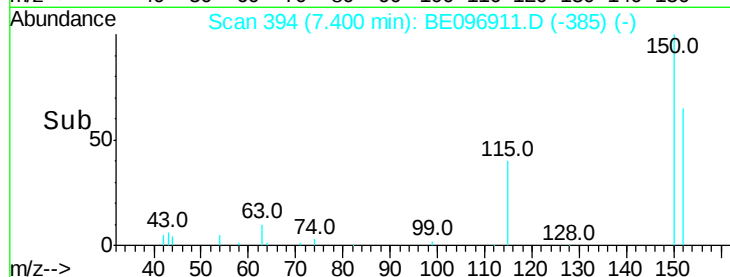
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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 7.078 ng

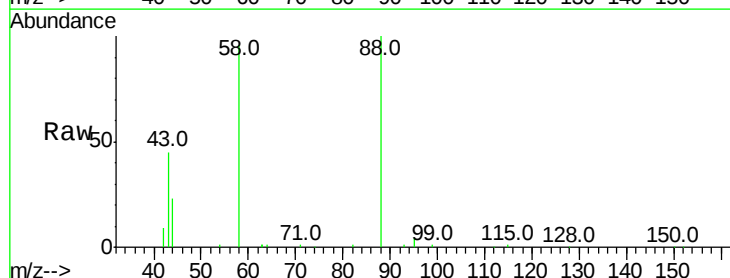
RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

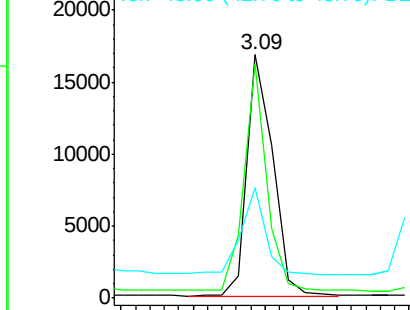
Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

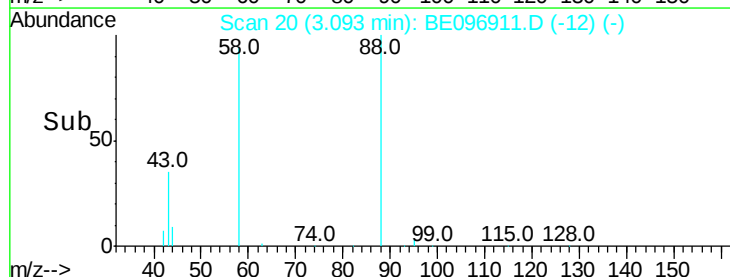
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 20832 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 81.5  | 63.2  | 94.8  |
| 43       | 34.6  | 41.2  | 61.8# |

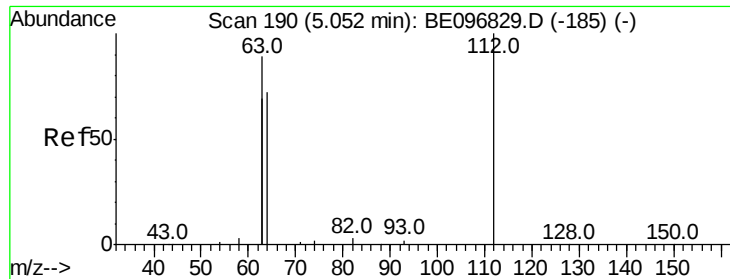


Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#4

2-Fluorophenol

Concen: 0.269 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA\_E

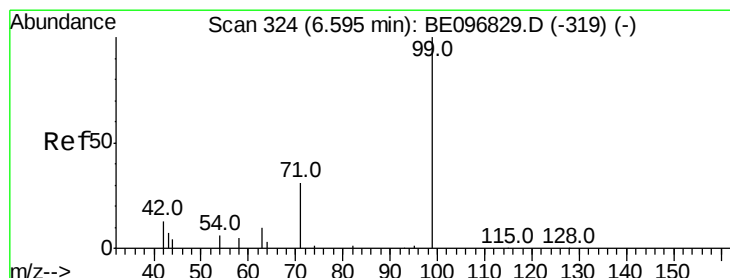
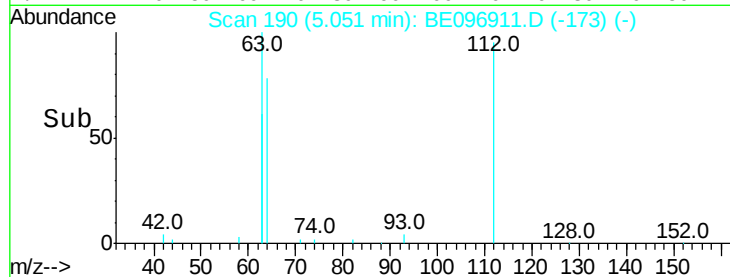
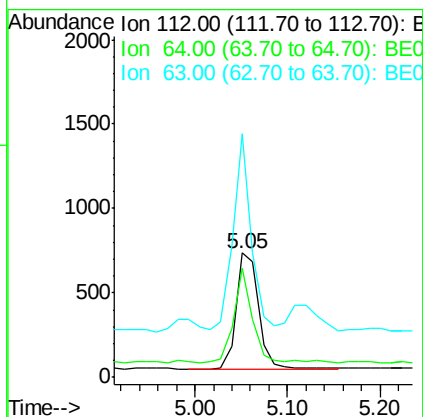
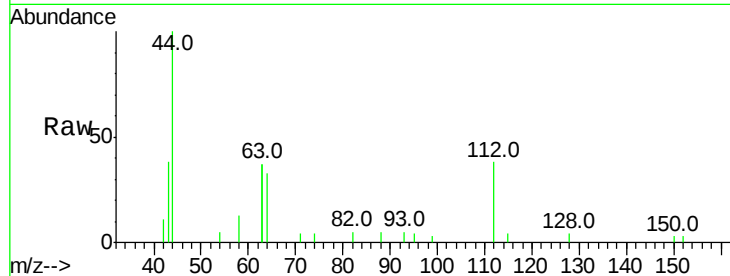
ClientSampleId :

RE125D2-071118

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 112   | Resp: | 1180  |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 65.2  | 60.1  | 90.1  |
| 63        | 135.4 | 116.8 | 175.2 |

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#5

Phenol-d6

Concen: 0.153 ng

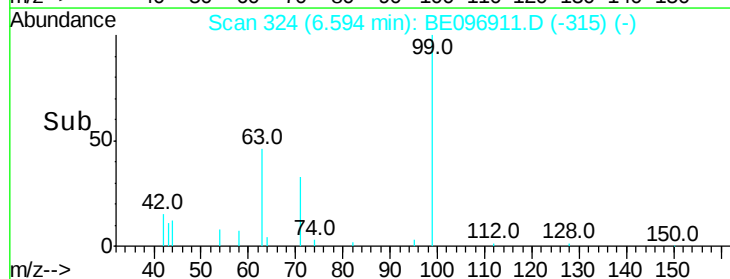
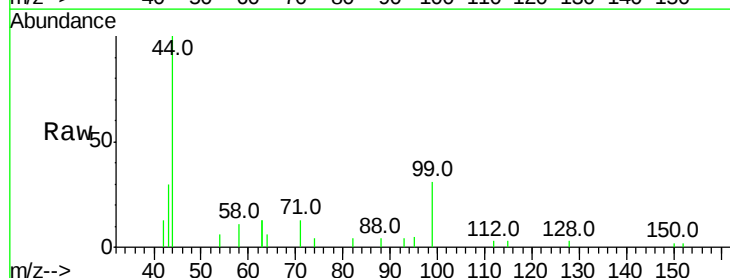
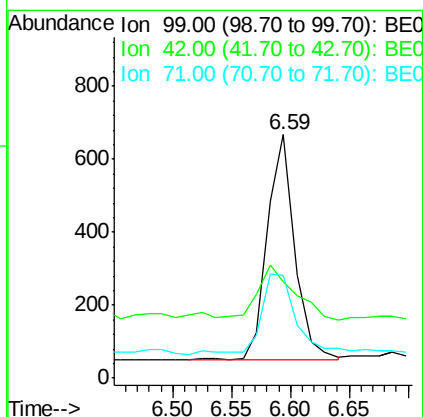
RT: 6.59 min Scan# 324

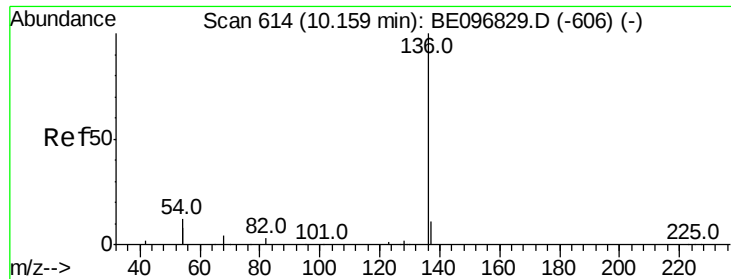
Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 1003  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 32.7  | 20.2  | 30.2# |
| 71        | 46.4  | 28.4  | 42.6# |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA\_E

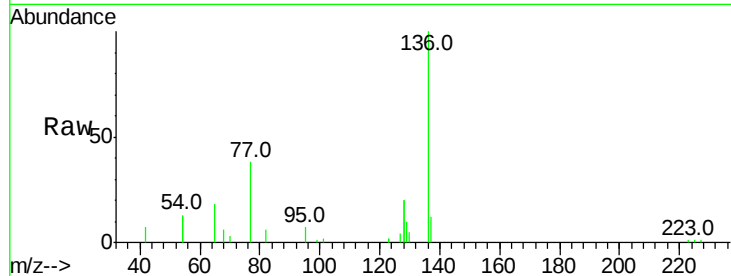
ClientSampleId :

RE125D2-071118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.8  | 9.5   | 14.3  |
| 54      | 26.1  | 29.1  | 43.7# |
| 68      | 5.5   | 6.2   | 9.2#  |

Manual Integrations  
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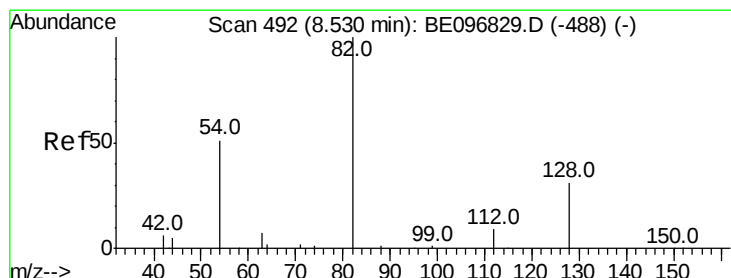
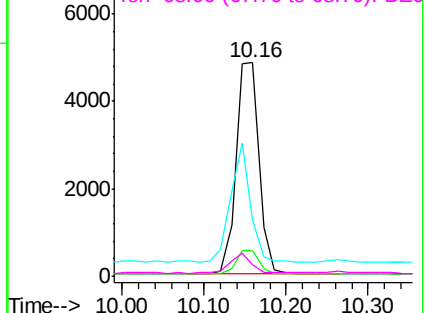
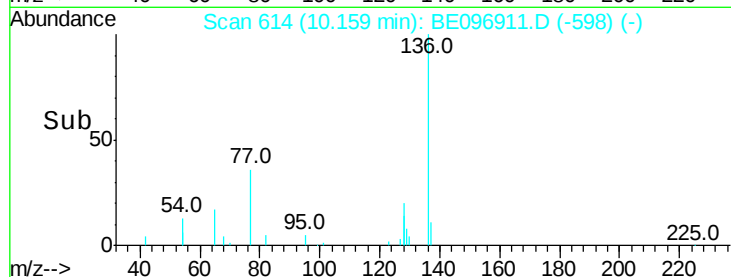


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.640 ng

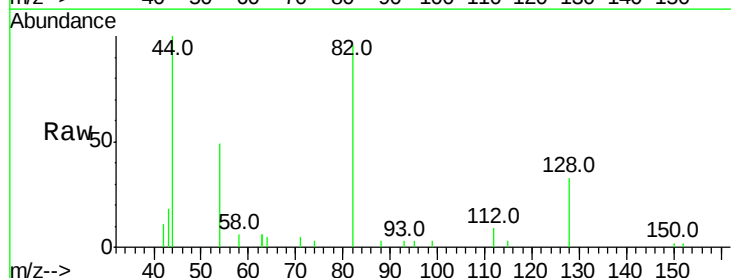
RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

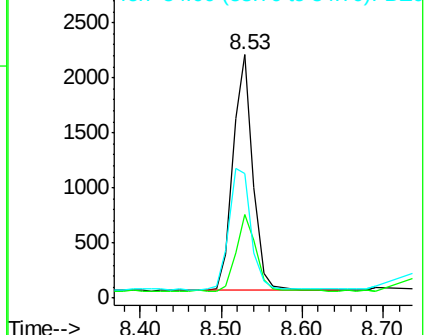
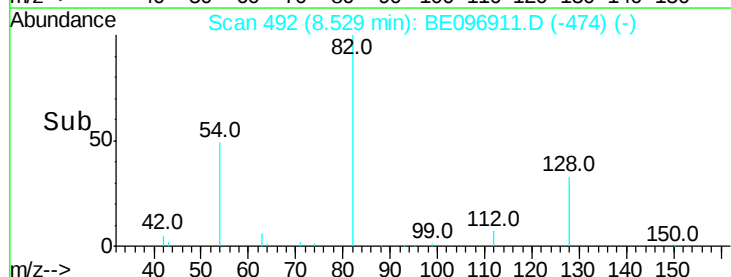
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.5  | 24.0  | 36.0  |
| 54      | 51.0  | 40.0  | 60.0  |

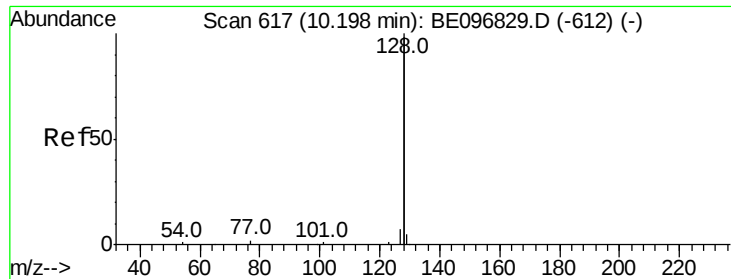


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

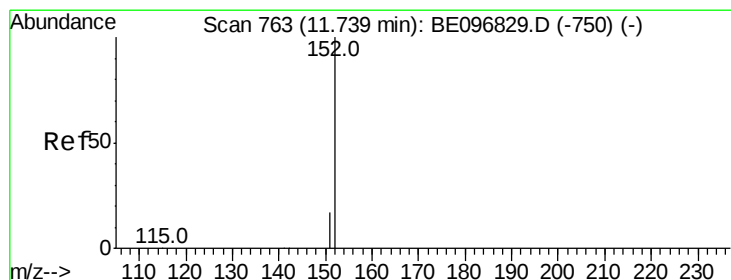
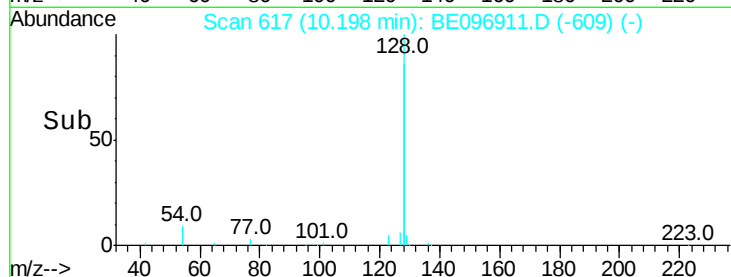
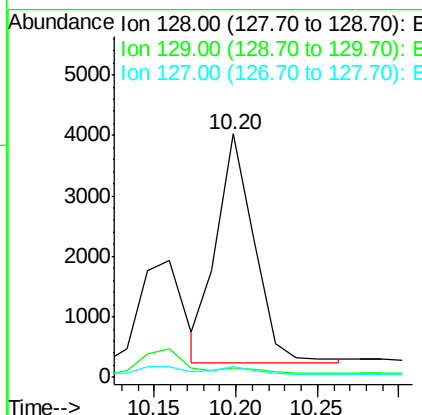
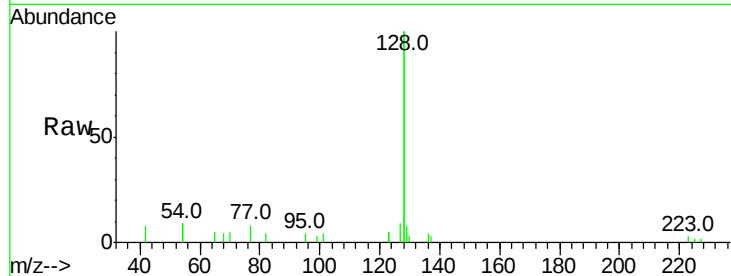
Concen: 0.072 ng/ml  
 RT: 10.20 min Scan# 617  
 Delta R.T. 0.00 min  
 Lab File: BE096911.D  
 Acq: 13 Jul 2018 17:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE125D2-071118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 8.0   | 2.6   | 3.8#  |
| 127     | 8.6   | 2.8   | 4.2#  |

Manual Integrations  
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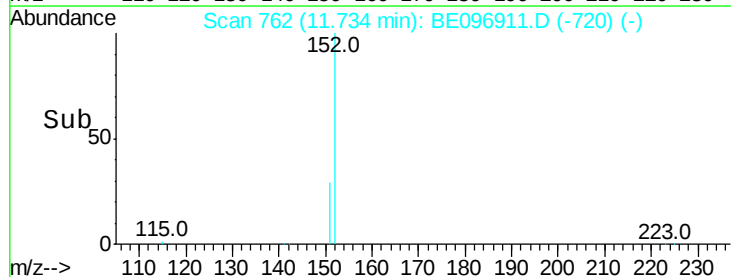
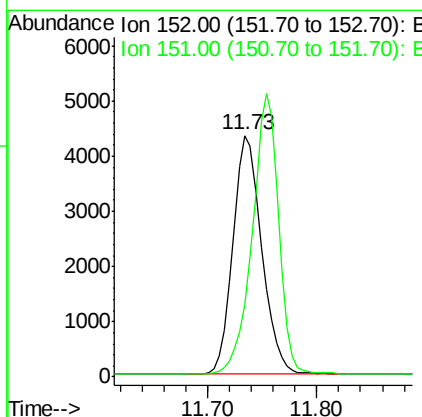
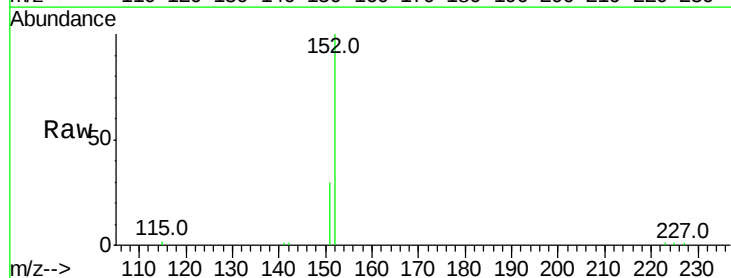


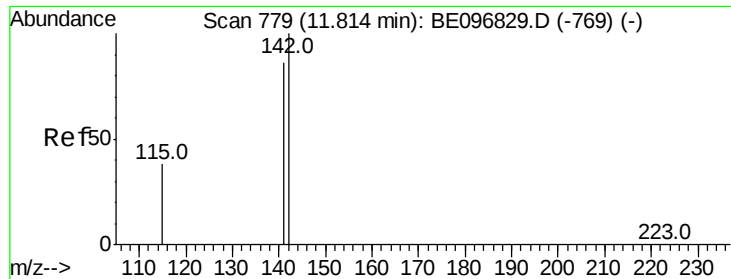
#11

2-Methylnaphthalene-d10

Concen: 0.568 ng  
 RT: 11.73 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BE096911.D  
 Acq: 13 Jul 2018 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 108.6 | 15.4  | 23.0# |





#12

2-Methylnaphthalene

Concen: 0.038 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA\_E

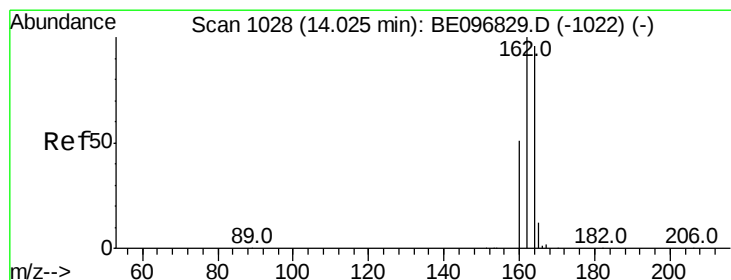
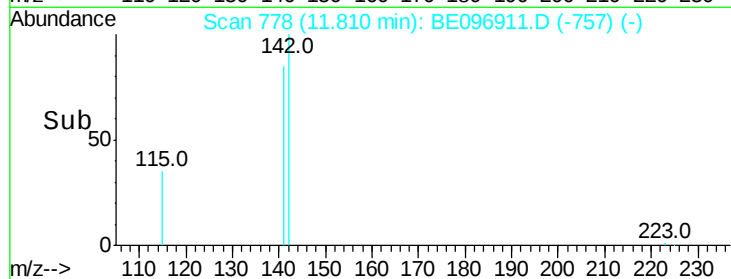
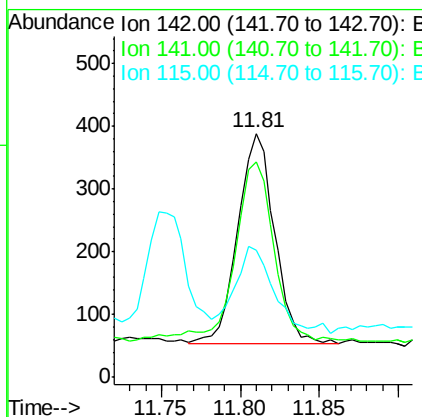
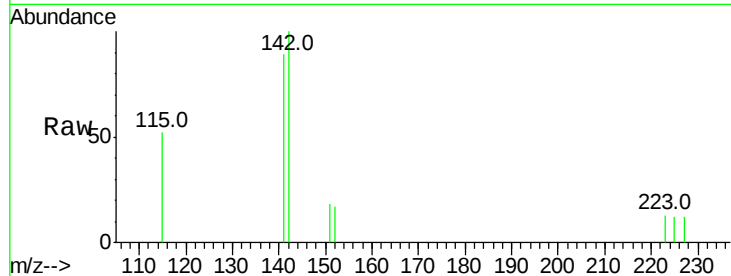
ClientSampleId :

RE125D2-071118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.7  | 70.4  | 105.6 |
| 115     | 52.3  | 31.7  | 47.5  |

Manual Integrations  
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#13

Acenaphthene-d10

Concen: 0.400 ng

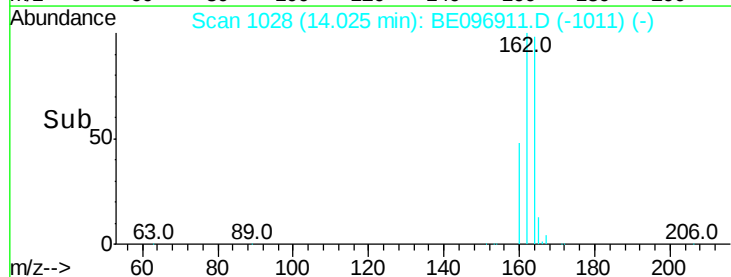
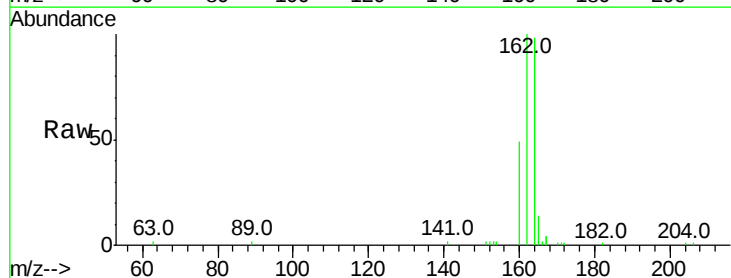
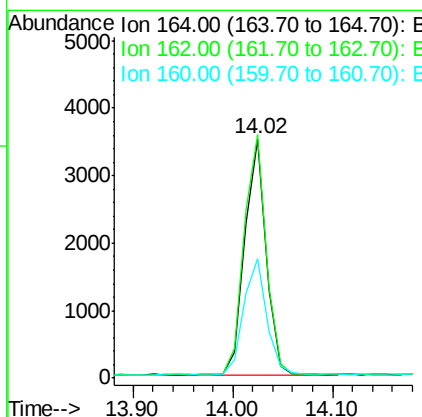
RT: 14.02 min Scan# 1028

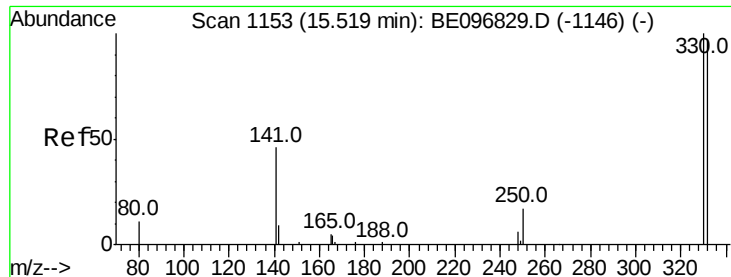
Delta R.T. -0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.0 | 83.1  | 124.7 |
| 160     | 49.9  | 37.1  | 55.7  |





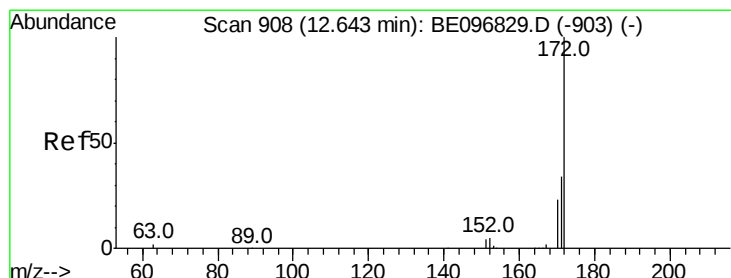
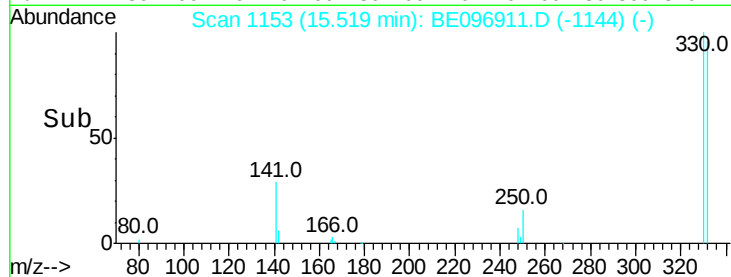
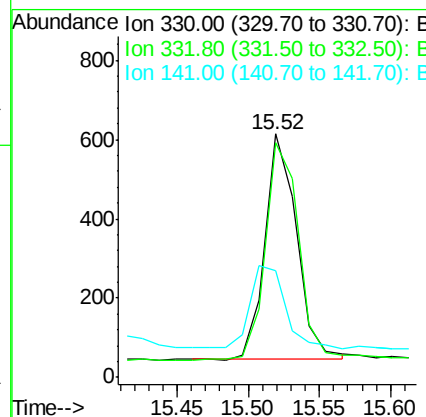
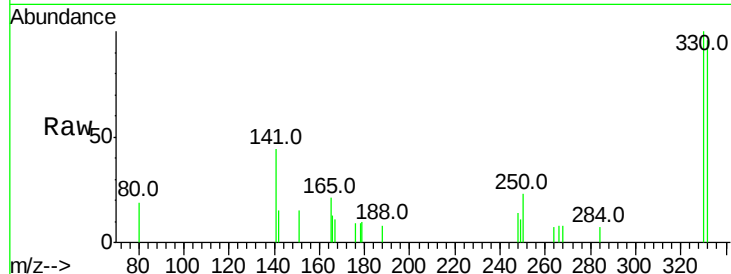
#14  
 2,4,6-Tribromophenol  
 Concen: 0.647 ng  
 RT: 15.52 min Scan# 1153  
 Delta R.T. 0.00 min  
 Lab File: BE096911.D  
 Acq: 13 Jul 2018 17:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE125D2-071118

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 100.7 | 152.7 | 229.1# |
| 141     | 40.5  | 33.7  | 50.5   |

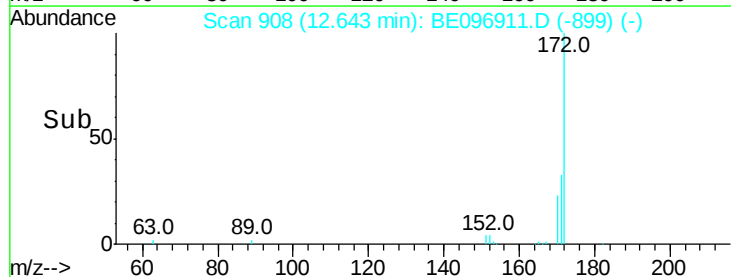
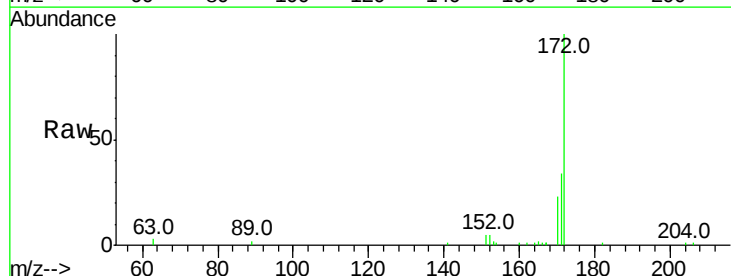
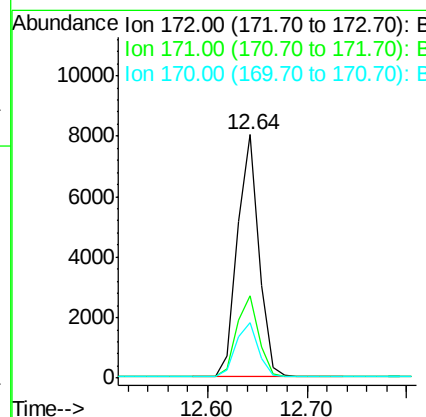
Manual Integrations  
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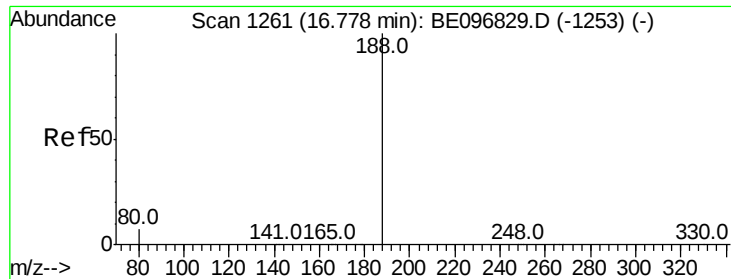
Sohil  
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#15  
 2-Fluorobiphenyl  
 Concen: 0.626 ng  
 RT: 12.64 min Scan# 908  
 Delta R.T. -0.00 min  
 Lab File: BE096911.D  
 Acq: 13 Jul 2018 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.9  | 29.9  | 44.9  |
| 170     | 23.0  | 21.8  | 32.8  |





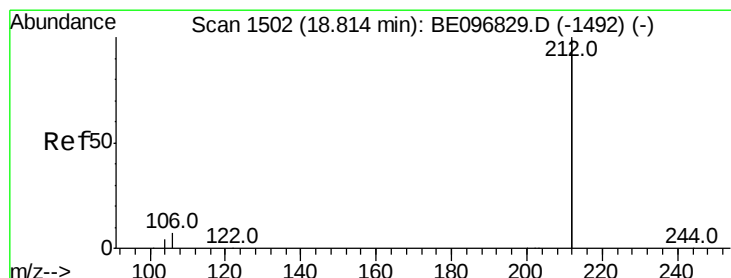
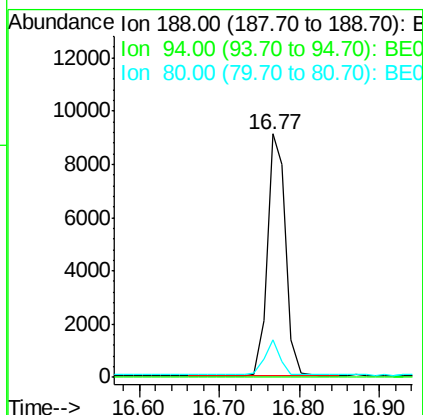
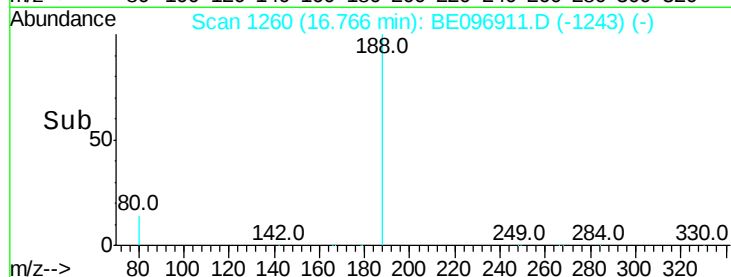
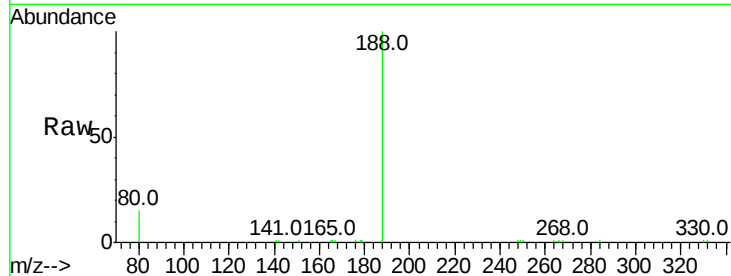
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.77 min Scan# 1260  
Delta R.T. 0.00 min  
Lab File: BE096911.D  
Acq: 13 Jul 2018 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
RE125D2-071118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 3.9   | 5.9#  |
| 80      | 15.3  | 3.6   | 5.4#  |

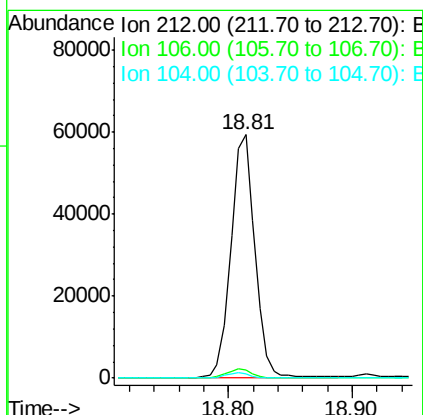
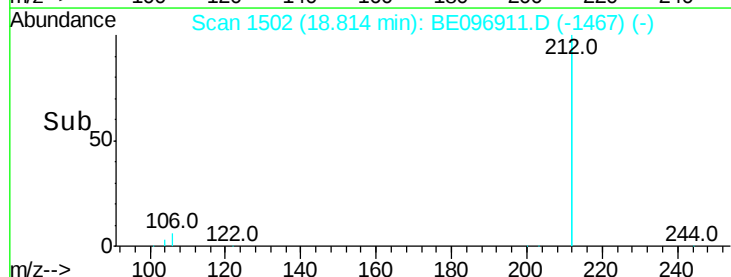
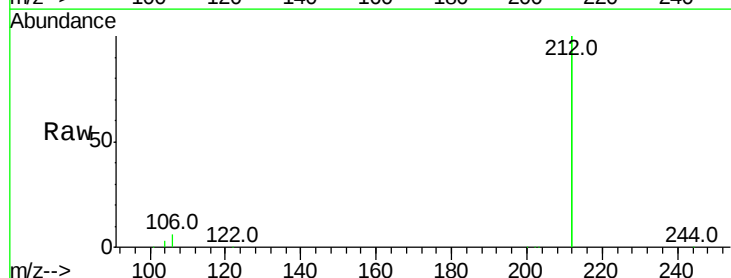
Manual Integrations  
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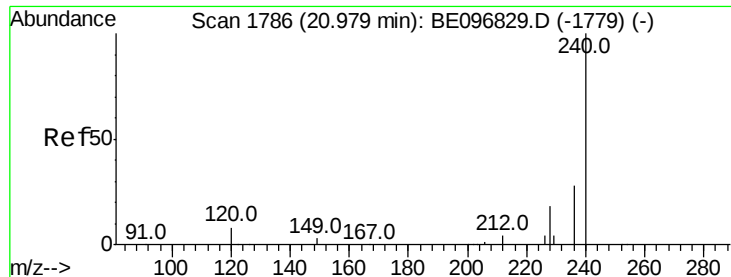
Sohil  
7/16/2018 3:26:38 PM



#25  
Fluoranthene-d10  
Concen: 0.620 ng  
RT: 18.81 min Scan# 1502  
Delta R.T. 0.00 min  
Lab File: BE096911.D  
Acq: 13 Jul 2018 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 3.5   | 2.8   | 4.2   |
| 104     | 2.0   | 1.6   | 2.4   |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA\_E

ClientSampleId :

RE125D2-071118

Tot Ion:240 Resp: 15062

Ion Ratio Lower Upper

240 100

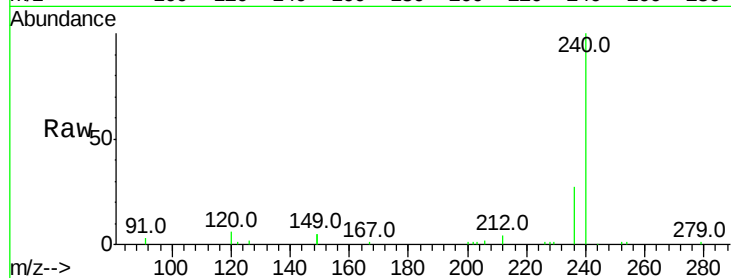
120 6.3 5.5 8.3

236 26.9 20.7 31.1

Manual Integrations  
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Sohil

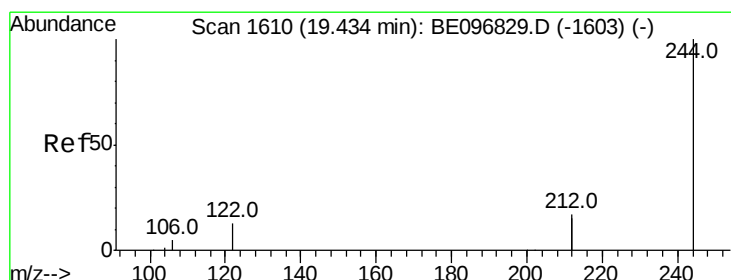
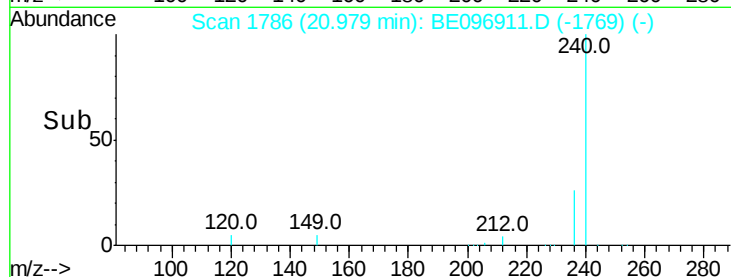
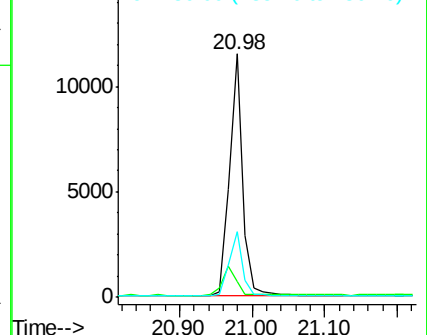
7/16/2018 3:26:38 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#29

Terphenyl-d14

Concen: 0.777 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

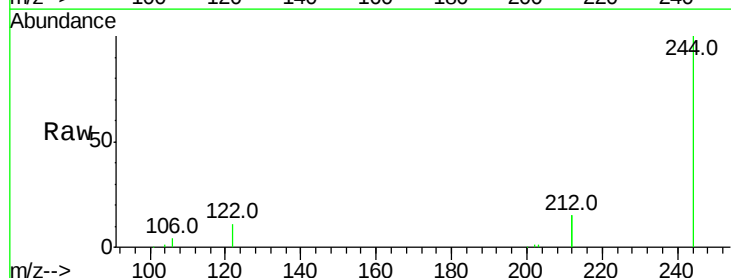
Tgt Ion:244 Resp: 22578

Ion Ratio Lower Upper

244 100

212 30.8 25.4 38.0

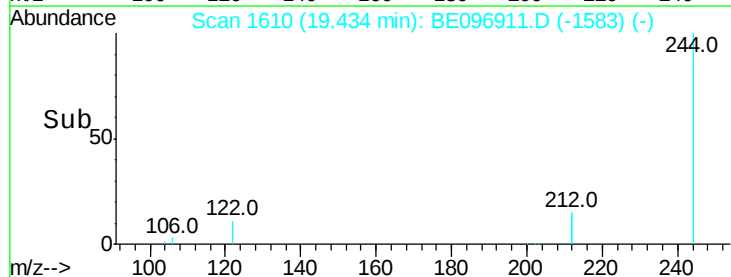
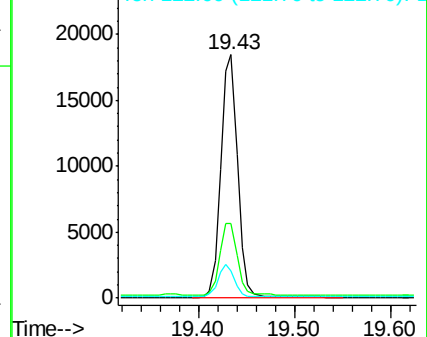
122 11.0 8.1 12.1

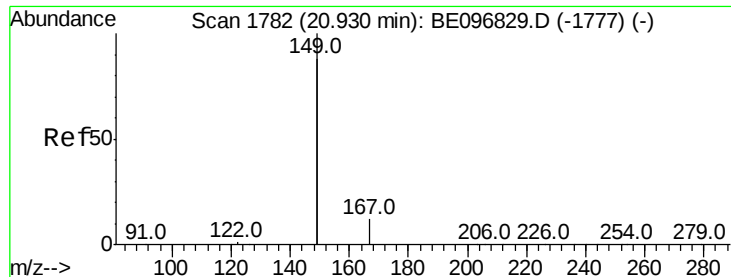


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





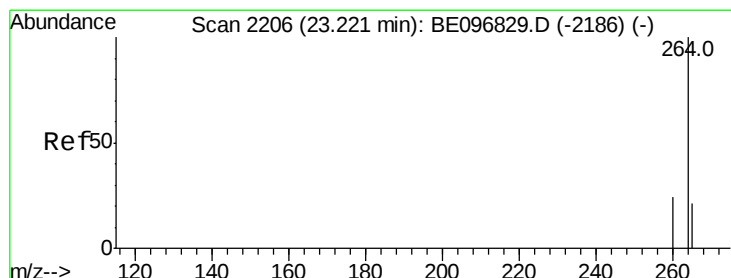
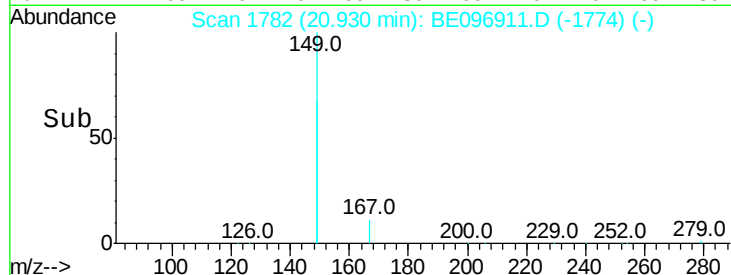
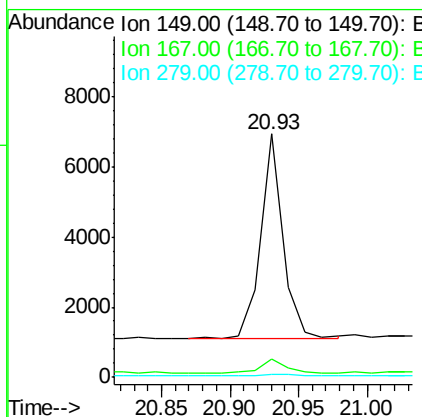
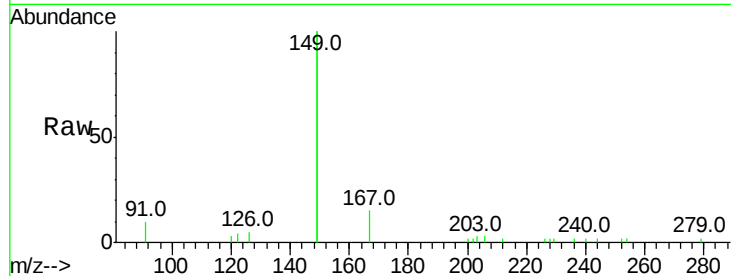
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.221 ng  
 RT: 20.93 min Scan# 1782  
 Delta R.T. 0.00 min  
 Lab File: BE096911.D  
 Acq: 13 Jul 2018 17:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE125D2-071118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.3   | 5.4   | 8.0   |
| 279     | 1.1   | 0.7   | 1.1   |

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 7/16/2018 3:26:38 PM



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.21 min Scan# 2204  
 Delta R.T. 0.00 min  
 Lab File: BE096911.D  
 Acq: 13 Jul 2018 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 20.5  | 30.7  |
| 265     | 25.3  | 22.8  | 34.2  |

